

# NWS JACKSONVILLE

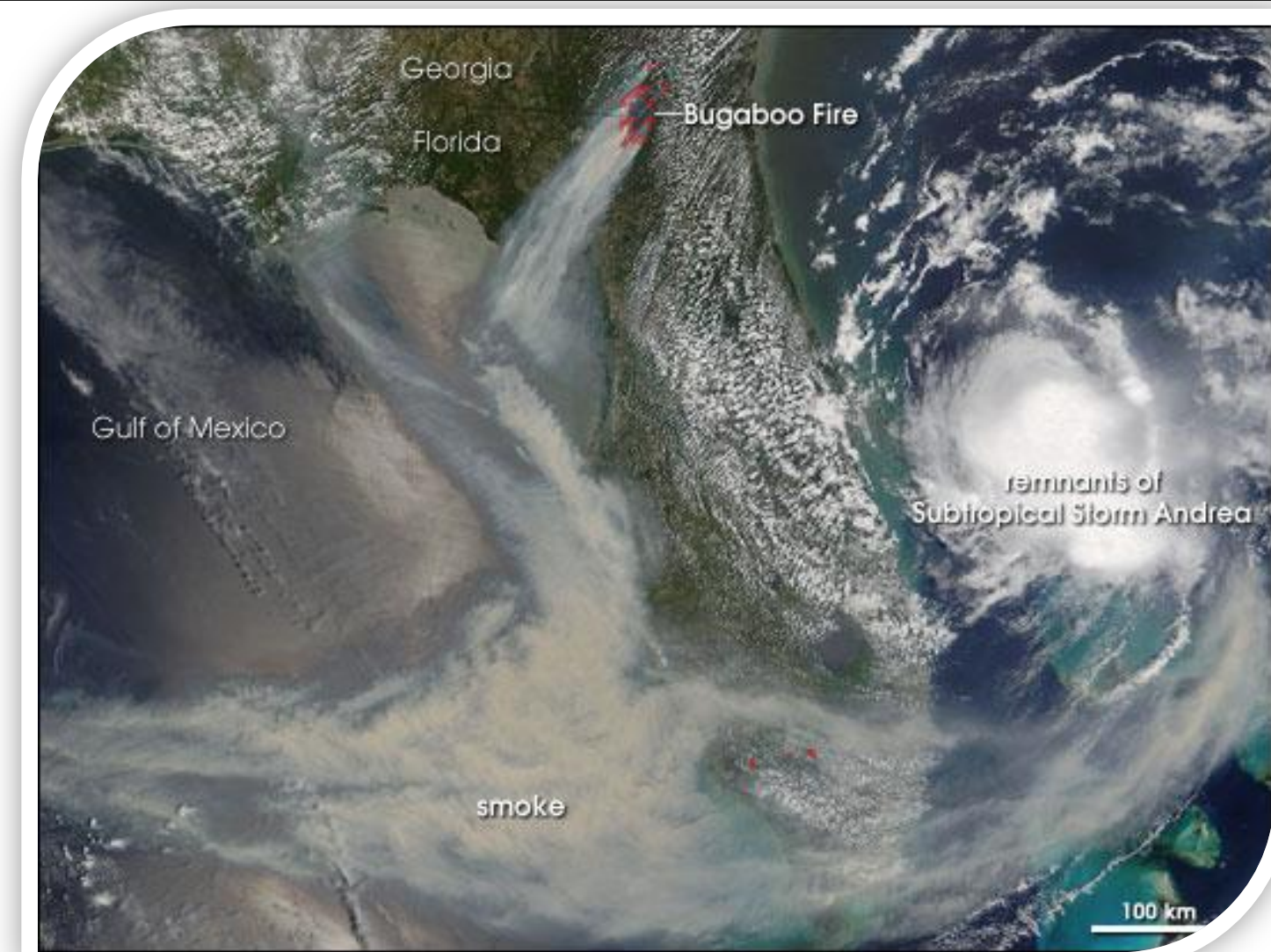
## FIRE WEATHER FORECAST PROGRAM



WFO Jacksonville – Fire Weather Area of Responsibility

The National Weather Service in Jacksonville issues fire weather forecasts for Northeast Florida and Southeast Georgia.

<http://www.srh.noaa.gov/jax/?n=fire>

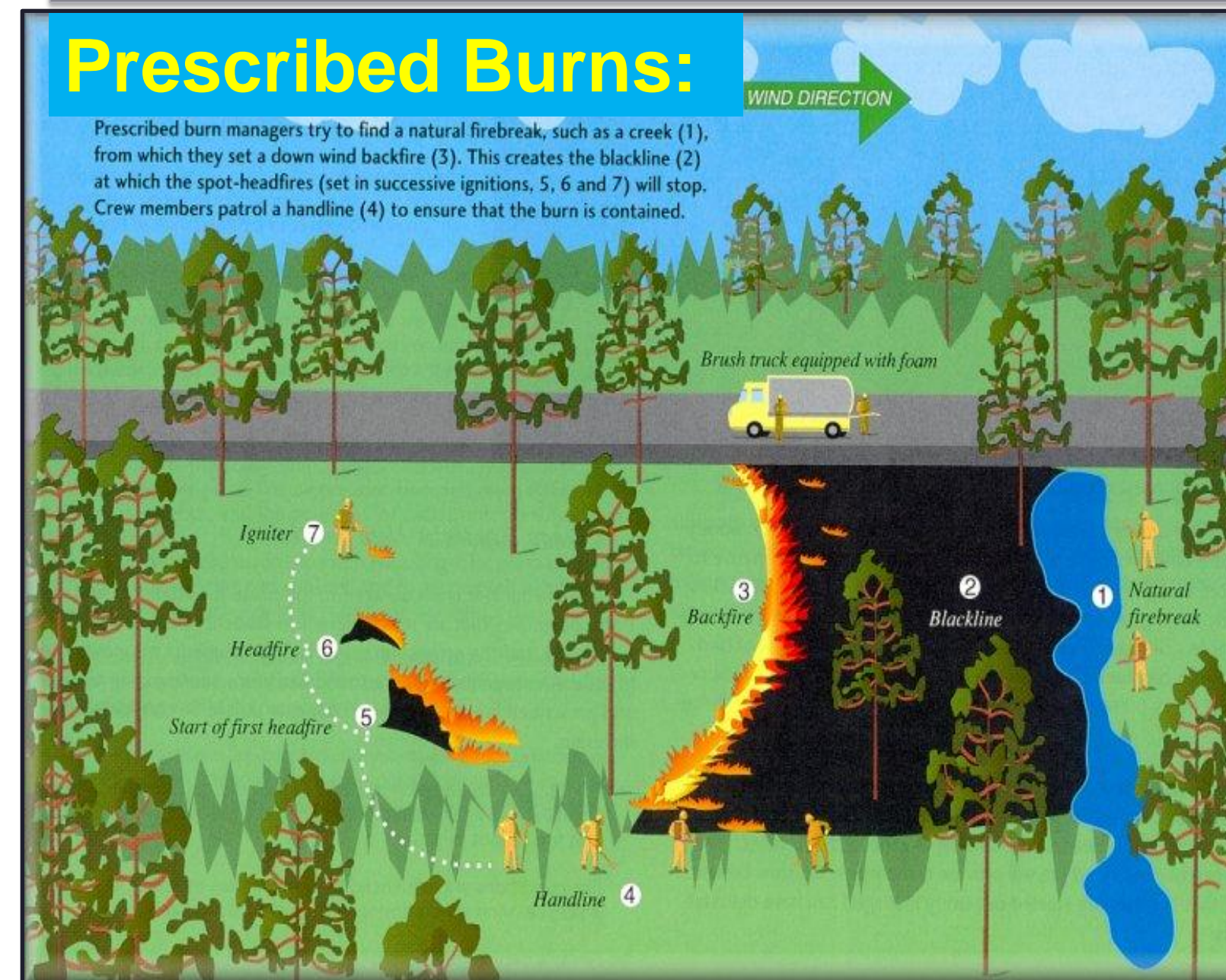
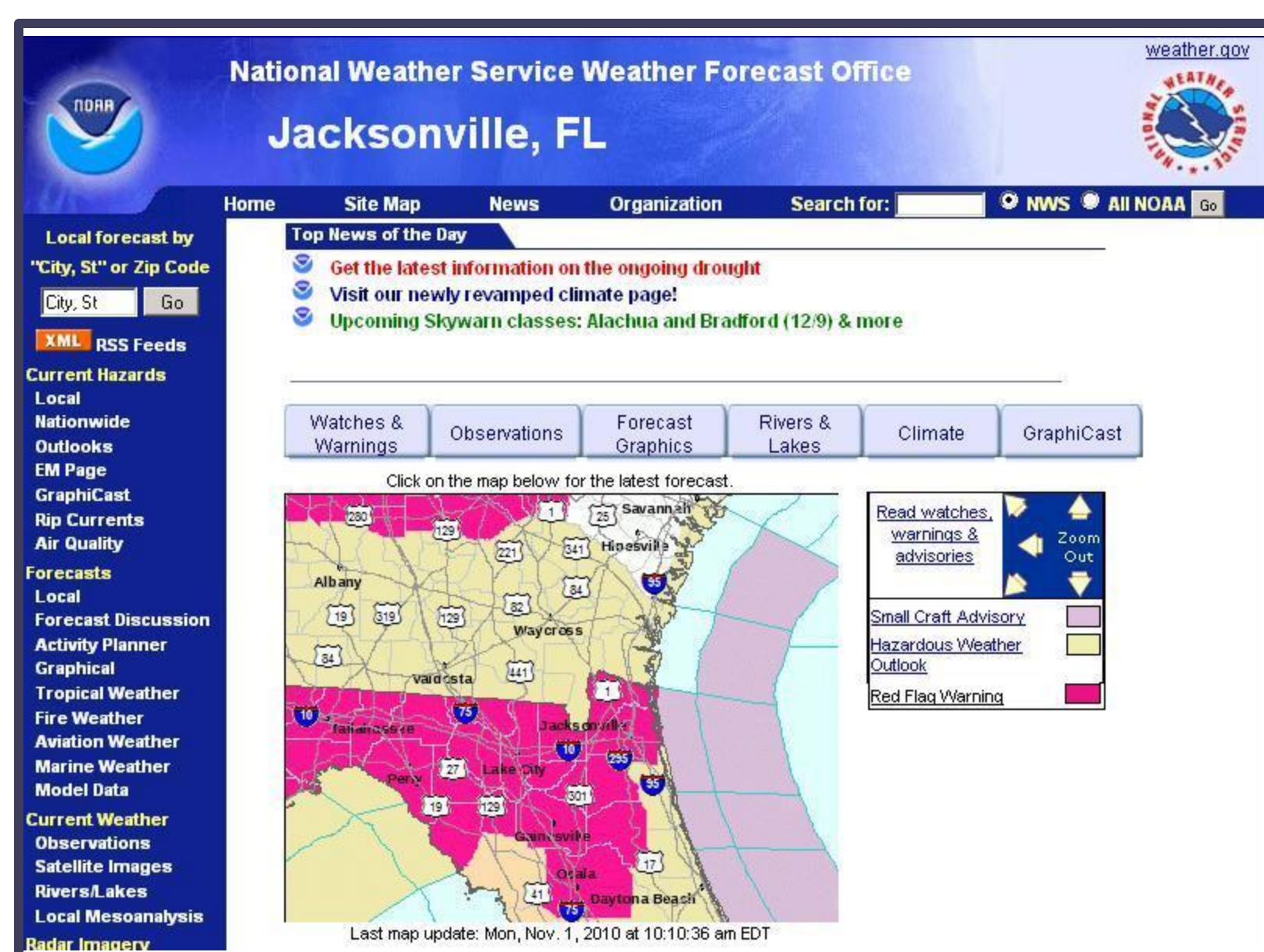


Wildfires burn across southeast GA and north FL – April to June 2007



04/24/2007

WFO Jacksonville Web Page



Fire Weather Planning Forecast (FWFJAX)

FIRE WEATHER PLANNING FORECAST FOR NORTHEAST FLORIDA/SOUTHEAST GEORGIA  
NATIONAL WEATHER SERVICE JACKSONVILLE FL  
357 AM EST WED FEB 10 2010

...RED FLAG WARNING IN EFFECT FROM 10 AM THIS MORNING TO 7 PM EST THIS EVENING FOR ALL OF NORTHEAST FLORIDA AND SOUTHEAST GEORGIA DUE TO STRONG WINDS AND LOW RH...

...FIRE WEATHER WATCH IN EFFECT FROM LATE THURSDAY MORNING THROUGH THURSDAY AFTERNOON FOR ALL OF NORTHEAST FLORIDA DUE TO LOW RH...

DISCUSSION...  
COLD HIGH PRESSURE WILL BUILD IN FROM THE NORTHWEST TODAY WITH WINDY AND DRY CONDITIONS SETTING THE STAGE FOR RED FLAG CRITERIA. THE HIGH PRESSURE WILL HOLD IN PLACE ON THURSDAY WITH LINGERING RED FLAG CONDITIONS ACROSS NORTHEAST FLORIDA. NEXT LOW PRESSURE SYSTEM WILL TRACK SOUTH OF THE AREA ON FRIDAY WITH A COLD RAIN EXPECTED INTO FRIDAY NIGHT. NEXT HIGH PRESSURE WILL RE-BUILD INTO THE REGION OVER THE WEEKEND AND INTO EARLY NEXT WEEK WITH MARGINAL RED FLAG CONDITIONS POSSIBLE EACH DAY.

NORTHWEST WINDS OF 15 TO 25 MPH WITH GUSTS TO 35 MPH EXPECTED TODAY. NORTHWEST WINDS OF 10 TO 15 MPH WITH GUSTS TO 20 MPH EXPECTED THURSDAY. WINDS ARE EXPECTED TO REMAIN LESS THAN 15 MPH THE REMAINDER OF THE PERIOD.

QAZL53-154-165-166-102100-  
INLAND GULF-COASTAL GULF-INLAND CAMDEN-COASTAL CAMDEN-  
357 AM EST WED FEB 10 2010

...RED FLAG WARNING IN EFFECT FROM 10 AM THIS MORNING TO 7 PM EST THIS EVENING DUE TO STRONG WINDS AND LOW RH...

	TODAY	TONIGHT	THU
CLOUD COVER	CLR	NCLEAR	PCLDY
CHANCE PRECIP (%)	0	0	0
WEATHER TYPE	NONE	NONE	NONE
TEMP	51	28	55
RH (%)	23	74	27
20FT WND MPH (AM)	NW 18 033		NW 12 019
20FT WND MPH (PM)	NW 19 034	W 12 020	NW 10 016
PRECIP DURATION			
PRECIP BEGIN			
PRECIP END			
PRECIP AMOUNT	0.00	0.00	0.00
LAL	1	1	1
MIXING HEIGHT (FT-AGL)	3400	600	2600
TRANSPORT WND (MPH)	NW 36	NW 24	NW 18
DISPERSION IND	55	13	51
MAX LVORI		3	

REMARKS...NONE.

**SPOT FIRE WEATHER FORECASTS** containing high detail for a specific location are issued as necessary for wildfires, and for prescribed burns on federal or state lands

SPOT FORECAST FOR COMP 20 BUCKSKIN...USFS  
NATIONAL WEATHER SERVICE JACKSONVILLE FL  
1217 PM EDT THU AUG 5 2010

FORECAST IS BASED ON IGNITION TIME OF 1200 EDT ON AUGUST 05. IF CONDITIONS BECOME UNREPRESENTATIVE...CONTACT THE NATIONAL WEATHER SERVICE.

DISCUSSION...SCATTERED SHOWERS AND THUNDERSTORMS ARE EXPECTED THIS AFTERNOON AND EVENING...WITH THE MOST COVERAGE OVER INLAND SOUTHEAST GEORGIA AND INLAND NORTHEAST FLORIDA. SHOWERS AND THUNDERSTORMS WILL BECOME MORE NUMEROUS OVER THE AREA FRIDAY THROUGH SUNDAY AS A COLD FRONT STALLS OVER SOUTH GEORGIA. HUMIDITY LEVELS WILL REMAIN WELL ABOVE CRITICAL VALUES. WINDS WILL REMAIN BELOW 15 MPH...EXCEPT LOCALLY STRONG AND GUSTY NEAR THUNDERSTORMS.

ANY SOUTHWESTERLY WINDS AT THIS TIME WILL LIKELY SHIFT TOWARD THE SOUTH WITHIN THE NEXT COUPLE OF HOURS...THEN EVENTUALLY SOUTHEASTERLY BY LATER IN THE AFTERNOON.

REST OF TODAY...

SKY/WEATHER.....PARTLY CLOUDY (60-70 PERCENT). CHANCE OF SHOWERS AND THUNDERSTORMS.  
MAX TEMPERATURE.....AROUND 93.  
MIN HUMIDITY.....53 PERCENT.  
WIND (20 FT).....SOUTH WINDS 6 TO 8 MPH...THEN SOUTHEAST.  
LAL.....3.  
MIXING HEIGHT.....3600-5400 FT AGL.  
MIXING WINDS.....SOUTH 8 TO 9 MPH.  
DISPERSION INDEX.....36.  
CHANCE OF PCPN.....40 PERCENT.

TIME (EDT)	NOON	2 PM	4 PM
SKY (%)	58	70	70
WEATHER COV.....CHANCE	CHANCE	CHANCE	CHANCE
WEATHER TYPE.....TSTORM	TSTORM	TSTORM	TSTORM
TEMP	92	92	91
RH.....	60	55	57
20 FT WIND.....SSE 8	SSE 8	SE 8	SE 8
20 FT WIND GUST.....11	11	12	12
MIX HOT (FT).....3700	5400	5400	5400
MIX HOT (FT).....SSE 8	SSE 8	S 9	S 9
TRANSPORT WIND.....SSE 36	40	40	40
DISPERSION IND.....36	40	40	40
CDC OF PCPN (%).....10	40	40	40
LAL.....3	3	3	3

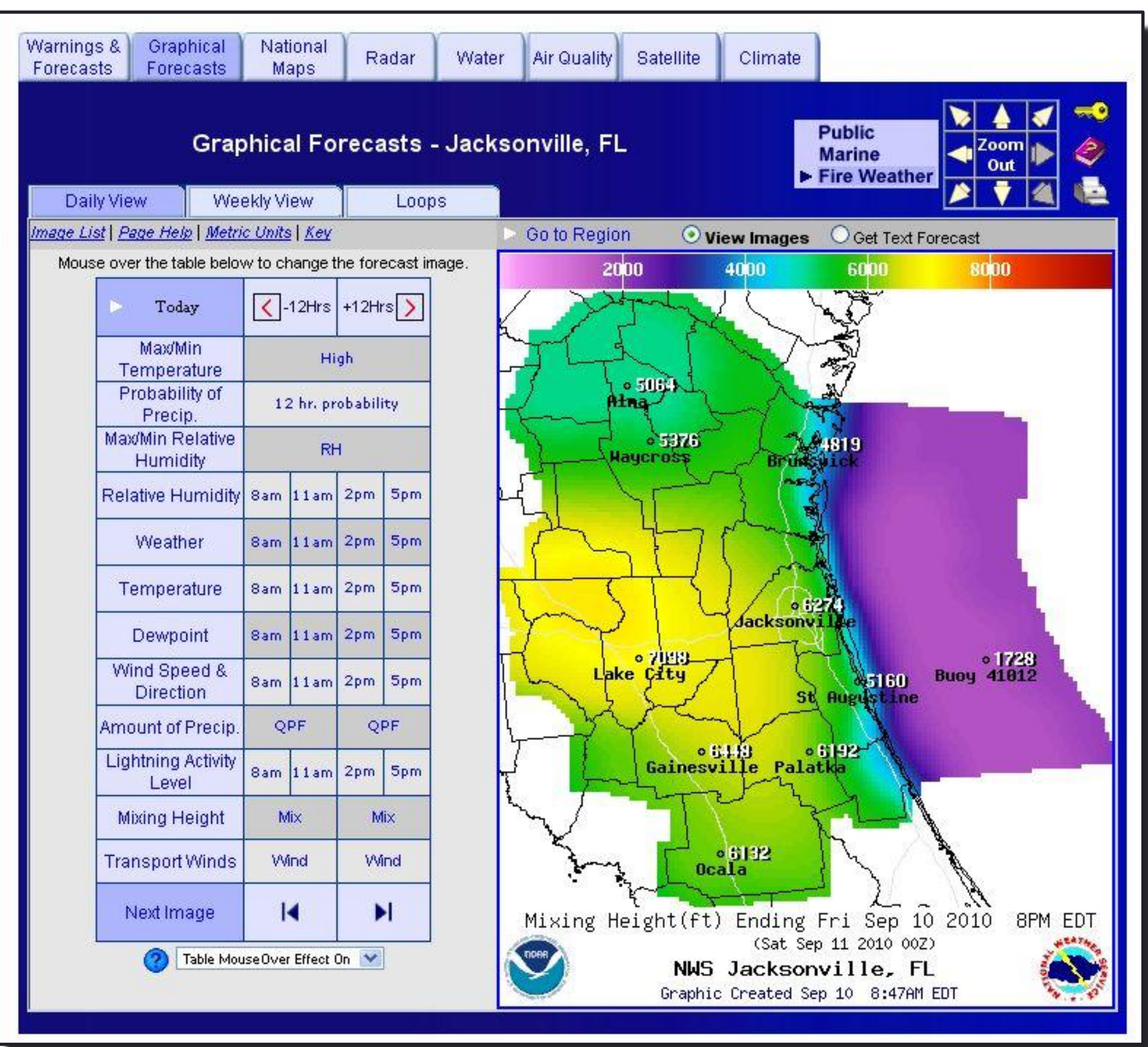
Meteorologists produce and edit graphical fields for numerous weather variables that are critical to the fire weather community.

These graphical fields are used in the creation of Fire Weather Planning forecasts (FWFJAX) that are tailored to the unique needs of each participating state or federal agency.

These forecasts are used for:

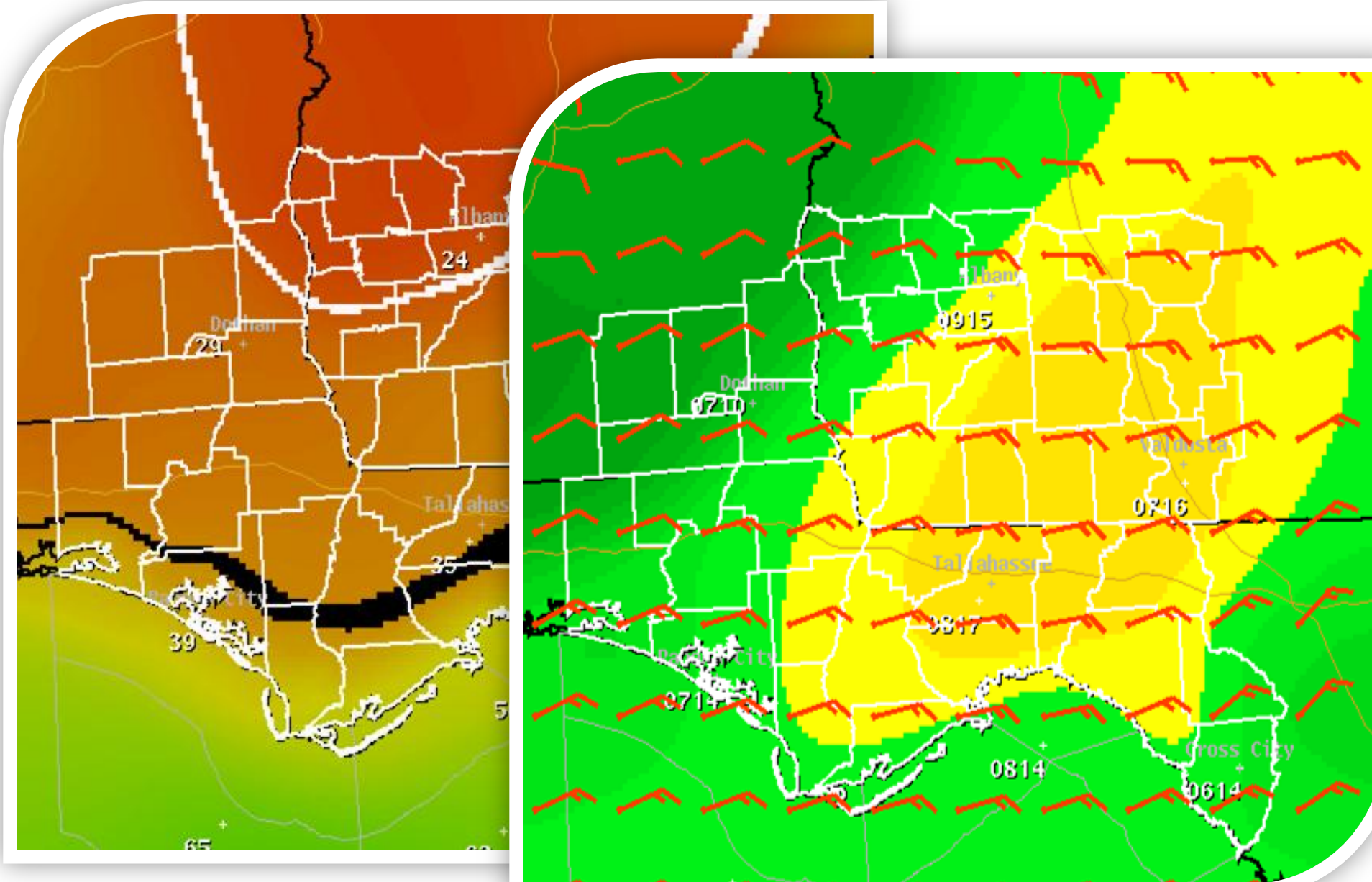
1. Daily planning
2. Issuance of burn permits
3. Prescribed burn safety

Online Fire Weather Forecast Graphics



[www.weather.gov/forecasts/wfo/sectors/jaxFireDay.php](http://www.weather.gov/forecasts/wfo/sectors/jaxFireDay.php)

Relative Humidity



Transport Winds



### RED FLAG WARNING:

A term used by fire-weather forecasters to call attention to limited weather conditions of particular importance that may result in extreme burning conditions. It is issued for on-going events, or events for which forecasters have a high degree of confidence that Red Flag criteria will occur within 24 hours of issuance.

URGENT - FIRE WEATHER MESSAGE  
NATIONAL WEATHER SERVICE JACKSONVILLE FL  
251 AM EST THU FEB 25 2010

FLZ020-025-030-033-035-038-040-260000-  
/O.EXT.KJAX.FW.W.0026.100225T1500Z-100226T0000Z/  
/O.CON.KJAX.FW.A.0025.100226T1600Z-100227T0000Z/  
HAMILTON-SUWANNEE-COLUMBIA-BAKER-NASSAU-DUVAL-UNION-BRADFORD-CLAY-  
ST JOHNS-GILCHRIST-ALACHUA-PUTNAM-FLAGLER-MARION-  
251 AM EST THU FEB 25 2010

...RED FLAG WARNING NOW IN EFFECT FROM 10 AM THIS MORNING TO 7 PM EST THIS EVENING FOR WINDS AND LOW RH...

...FIRE WEATHER WATCH REMAINS IN EFFECT FRIDAY FOR LOW RH...

THE RED FLAG WARNING IS NOW IN EFFECT FROM 10 AM THIS MORNING TO 7 PM EST THIS EVENING. A FIRE WEATHER WATCH REMAINS IN EFFECT FROM FRIDAY MORNING THROUGH FRIDAY EVENING.

MUCH DRIER AIR WILL FILTER OVER THE AREA TODAY UNDER WINDY NORTHWEST FLOW. MINIMUM RELATIVE HUMIDITIES WILL NEAR 20 PERCENT IN THE AFTERNOON. SUSTAINED WINDS ARE EXPECTED BETWEEN 15 AND 20 MPH WITH GUSTS UP TO 30 MPH POSSIBLE ESPECIALLY NEAR BODIES OF WATER. A RED FLAG WARNING IS IN EFFECT.

LOW HUMIDITIES ARE EXPECTED ONCE AGAIN ACROSS THE AREA ON FRIDAY WITH EXTENDED DURATIONS BELOW CRITICAL VALUES. A FIRE WEATHER WATCH CONTINUES FOR ALL OF NORTHEAST FLORIDA.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A RED FLAG WARNING IS ISSUED IN FLORIDA WHEN MINIMUM RELATIVE HUMIDITIES WILL FALL BELOW 35 PERCENT IN COMBINATION WITH SUSTAINED 20 FOOT WIND SPEEDS OF 15 MPH OR MORE.

PLEASE ADVISE THE APPROPRIATE OFFICIALS OR FIRE CREWS IN THE FIELD OF THIS RED FLAG WARNING.

A FIRE WEATHER WATCH MEANS THAT CRITICAL FIRE WEATHER CONDITIONS ARE FORECAST TO OCCUR. LISTEN FOR LATER FORECASTS AND POSSIBLE RED FLAG WARNINGS.

### INCIDENT METEOROLOGIST PROGRAM (IMET)

NWS Meteorologists are dispatched into the field for on-site support in the fighting of significant wildfires

